



ISO14001 CERTIFICATION VS. ENVIRONMENTAL MANAGEMENT SYSTEMS

**ROUNDTABLE WEBINAR
IN ASSOCIATION WITH
JUNE 14, 2017**



Agenda

- ▶ **Compare environmental management system vs. EMS**
- ▶ **Why would someone need an EMS?**
- ▶ **Different choices for EMS**
- ▶ **What is ISO14001?**
- ▶ **Self-declaration vs. registration**
- ▶ **ISO14001-certification statistics**

What is an environmental management system?

- ▶ The “system” to manage the environmental aspects/impacts of an organization
- ▶ Who/what/when/where/how does the organization manage its processes or activities to:
 - Satisfy the customer's requirements,
 - Comply with regulations, and
 - Meet environmental objectives.



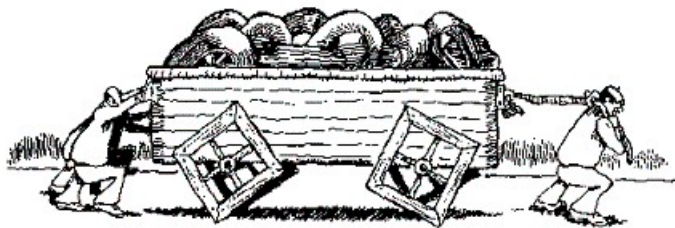
What is an environmental management system?

- ▶ Every company with a filing cabinet and a permit has an environmental management system:
 - Some more formal, efficient, and effective than others
 - Goal should be to have a thorough EMS
 - Difference between environmental management system and Environmental Management System (EMS).



What is an “EMS”?

- ▶ To be more *efficient* and *effective*, the organization can manage its way of doing things by systemizing it
- ▶ Helps ensure:
 - Nothing important is left out
 - Everyone is clear about who is responsible for doing what, when, how, why and where
- ▶ **Management system standards provide the organization with an international, state-of-the-art model to follow**
 - Out-of-the box solution
 - No need to re-invent the proverbial wheel.



Why would someone need an EMS?

- ▶ Like Quality, Operations, Financial, Human Resources, etc.
- ▶ Why *wouldn't* you need an EMS?
- ▶ You have to know how to run the business to:
 - Stay in business
 - Make a profit
 - Keep people safe
 - Be efficient.



Choice to make

► Home-made, custom EMS

- Figure out the way you want to do it
- Rely on your expertise (and those you hire)
- Fully customizable

► Formal EMS:

▪ ISO14001

- Voluntary EMS developed by the International Organization for Standardization (1994, 2004, 2015)
- Plan – Do – Check - Act

- EMAS
- BS8555
- IEMS (EPA)
- NRMCA Green-Star EMS
- RIOS
- RCMS or RC14001.



INTERNATIONAL
STANDARD

ISO
14001

Third edition
2015-09-15

Environmental management
systems — Requirements with
guidance for use

Système de management environnemental — Exigences et lignes
directrices pour son utilisation

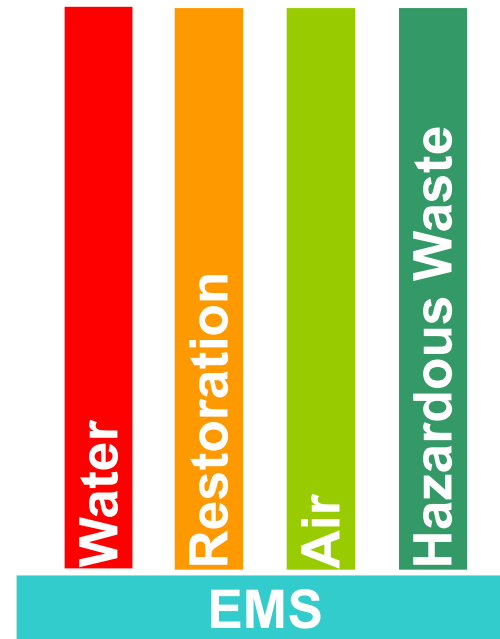


How does a good EMS fit in?

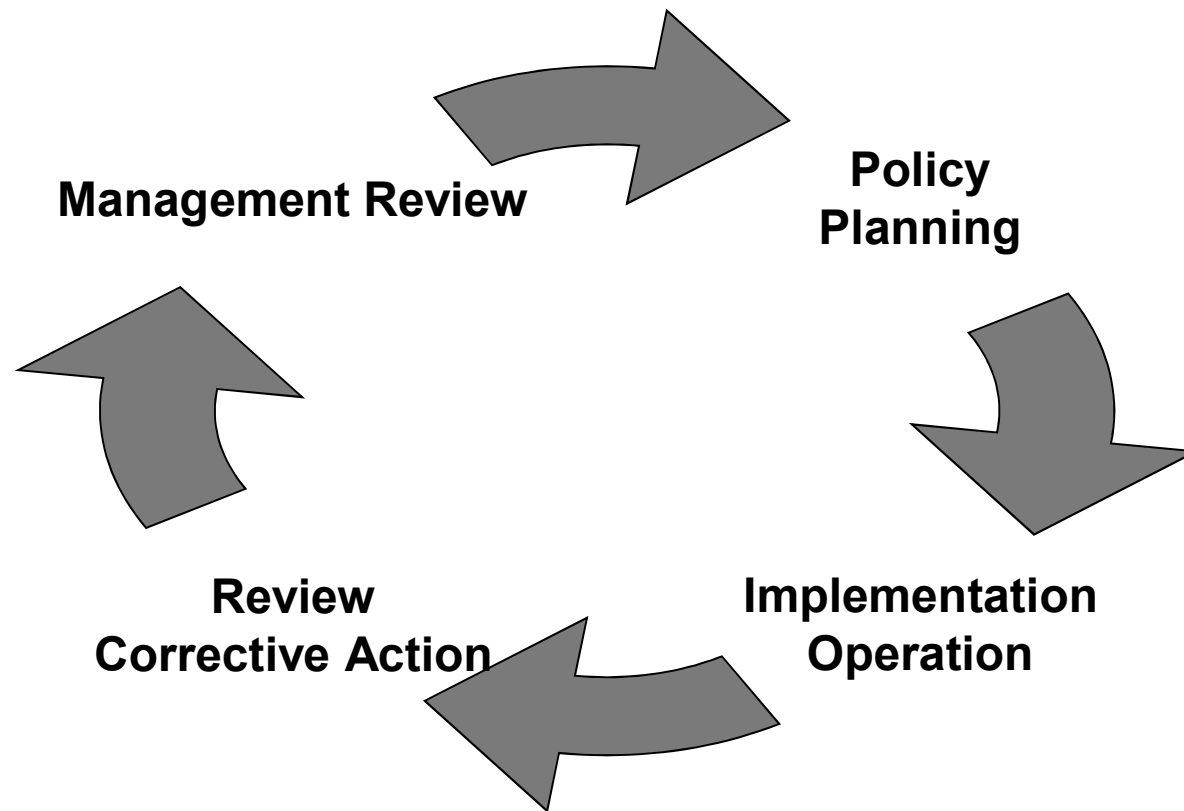
► EMS is not a separate entity



► EMS should act as foundation.



Basics of ISO14001



Benefits of an ISO14001-type EMS

▶ Compliance assurance

- Risk avoidance

▶ Institutional memory

- Systematize the process

▶ Cost savings

- Reduce waste
- Reduce raw material use
- Increase recycle
- Cheaper to avoid than to clean up/remediate

▶ Improved employee morale

- Increased involvement.



Benefits of an ISO14001-like EMS

► Operational benefits

- Integration with OHSAS 18001 and ISO9000
- Improved efficiency
- Repeatability

► It's the right thing to do

- We all live happily, ever after...



ISO14001 – A Choice

▶ Voluntary standard

- Certification **IS NOT** a requirement of ISO 14001

▶ Organizations are free to develop and implement all or a portion of ISO14001

- Tailor it
- Skip overly burdensome requirements

▶ Certification is a business decision:

- contractual, regulatory, or market requirement,
- meets customer preferences
- risk management
- motivate staff by setting a clear goal

▶ Self-declare conformance.

ISO14001 Certification

- ▶ **Develop and implement an ISO14001-conformant system**
- ▶ **Hire an independent Registrar to certify your EMS**
 - Initial registration audit
 - Surveillance audits
 - Recertification audits
- ▶ **Certificate.**



ISO14001 Self-declaration

- ▶ Develop and implement an ISO14001-conformant system
- ▶ ???



Benefits of Certification

▶ Bragging rights

- Website, banners, literature

▶ Access to markets

- E.g., Europe
- OEM scorecards
- Preferred government supplier status
- Demonstrates environmental responsibility to shareholder groups

▶ Improved public image

- Public trust
- Negates "conflict of interest" claims associated with organizations that "self-declare" the status of their programs
- Regulatory oversight reduction
 - Due diligence
 - Self audits
 - When the _____ hits the fan...

▶ Accountability.

Benefits of Certification

- ▶ **Provides organizations with an un-biased review of their programs, policies, etc.**
 - A good Registrar is a partner
 - Continual improvement
 - Realization of benefits.

Perils of Certification

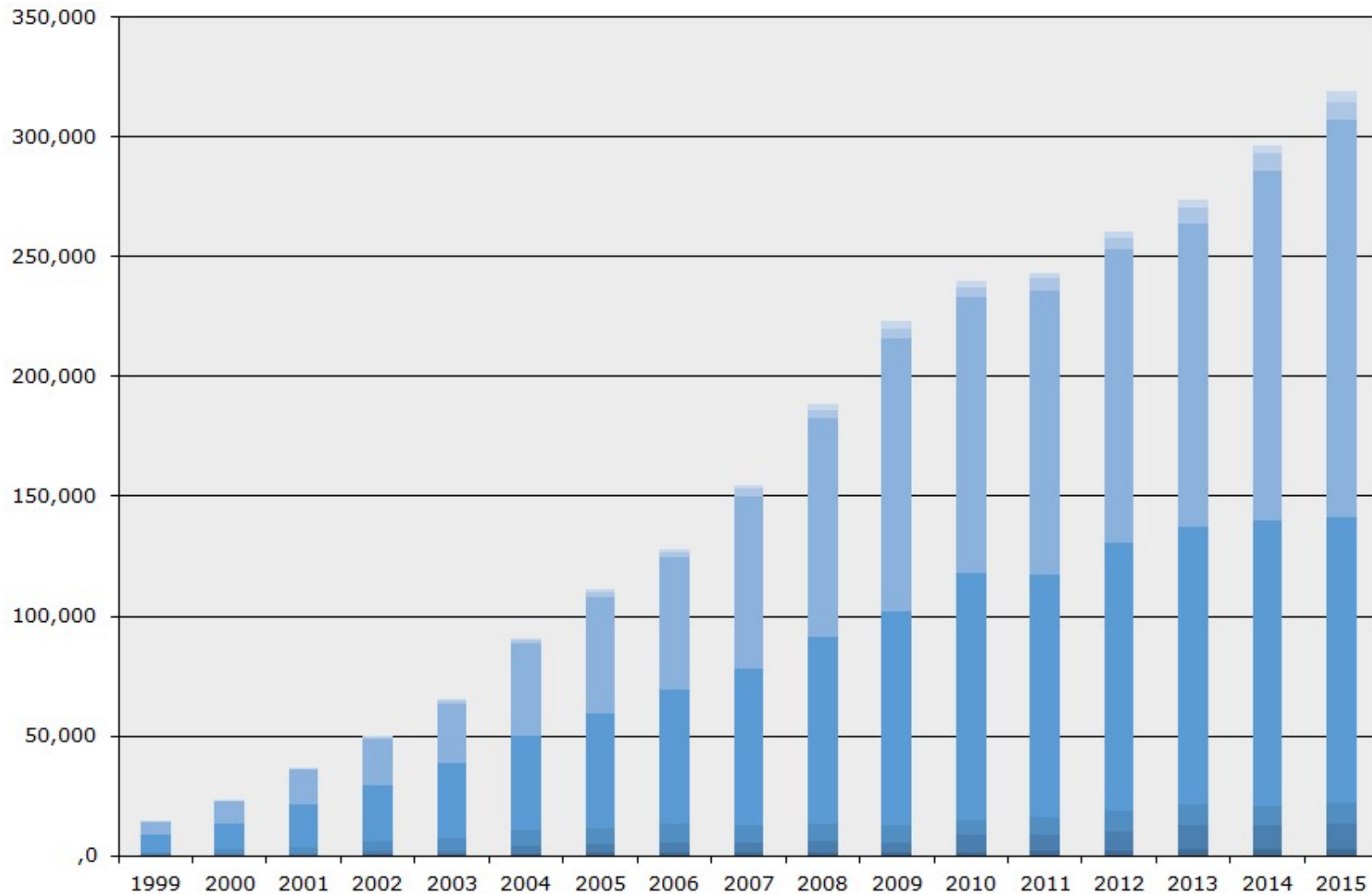
- ▶ EMS is superficially implemented
- ▶ Can be an undue burden (financial, manpower) – especially ahead of registrar audits
- ▶ Interpretation of the registrar can prevail.



Benefits of Self-declaration

- ▶ **Registrar fee savings**
 - Audit preparation
- ▶ **Flexibility – but at a loss of accountability**
- ▶ **If organization is disciplined and committed – many of same benefits**
 - Temptation to slack is always there
 - Risk of incremental downward spiral with missing elements (instead of upward spiral).

ISO14001 – Worldwide total*



*<https://www.iso.org/the-iso-survey.html>

2015 ISO Survey

- ▶ **2014: 296,736 certificates issued**
- ▶ **2015: 319,324* certificates issued**
 - East Asia and Pacific = 165,616
 - China (1st) – Japan (2nd) - Korea
 - Europe = 119,754
 - Italy (3rd) – UK (4th) – Spain (5th)
 - Central/South America = 10,097
 - Brazil – Columbia - Argentina
 - North America = 8,712
 - USA – 6,067 (10th)
 - Central and South Asia = 7,708
 - India
 - Middle East = 4,585
 - UAE – Israel – Iran
 - Africa = 3,024
 - South Africa – Egypt - Tunisia

*947 certified to ISO14001:2015